

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 4229 | (428/827 or 428/831.2 or 428/835 or 428/835.1 or 428/835.1 or 428/835.4 or 428/848.2 or 428/848.3 or 360/134 or 360/135 or 360/136 or 369/283 or 427/131).ccs. | US-PGPUB; USPAT | OR | OFF | 2006/09/05 21:51 |
| L2 | 763 | l1 and soft | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 21:30 |
| L3 | 0 | l1 and (glass same substrate) and (carbon same proct\$) | US-PGPUB; USPAT | OR | ON | 2006/09/05 21:30 |
| L4 | 125 | l1 and "hydrogenated carbon" | US-PGPUB; USPAT | OR | OFF | 2006/09/05 22:02 |
| L5 | 61 | (204/192.15 or 204/192.2).ccs. and "hydrogenated carbon" | US-PGPUB; USPAT | OR | OFF | 2006/09/05 22:02 |
| S1 | 1 | ("2001143245").PN. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2006/09/05 19:55 |
| S2 | 1 | ikeda and koji and ito and toshiya and "magnetic recording" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/01 14:48 |
| S3 | 63 | ikeda and ito and "magnetic recording" | US-PGPUB; USPAT; DERWENT | OR | ON | 2006/09/01 14:49 |
| S4 | 108 | ikeda and ito and nippon | US-PGPUB; USPAT; DERWENT | OR | ON | 2006/09/01 14:50 |
| S5 | 35 | S3 and glass | US-PGPUB; USPAT; DERWENT | OR | ON | 2006/09/01 14:51 |
| S6 | 108 | S4 and nippon | US-PGPUB; USPAT; DERWENT | OR | ON | 2006/09/01 14:51 |
| S7 | 5 | S5 and nippon | US-PGPUB; USPAT; DERWENT | OR | ON | 2006/09/01 14:51 |
| S8 | 2 | 2001-143245 | US-PGPUB; USPAT; DERWENT | OR | ON | 2006/09/01 15:03 |
| S9 | 1 | "20040146686" | US-PGPUB; USPAT | OR | OFF | 2006/09/01 15:53 |
| S10 | 10 | "Kong Kim" or "Junichi Horikawa" | US-PGPUB; USPAT | OR | OFF | 2006/09/01 15:54 |

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|-----|------|--|--------------------|----|-----|------------------|
| S11 | 1566 | ("Kim" or "Horikawa") and "magnetic recording" | US-PGPUB; USPAT | OR | ON | 2006/09/01 15:55 |
| S12 | 0 | S11 and (disk or disc) and perendicular | US-PGPUB; USPAT | OR | ON | 2006/09/01 15:55 |
| S13 | 321 | S11 and (disk or disc) and perpendicular | US-PGPUB; USPAT | OR | ON | 2006/09/01 15:56 |
| S14 | 11 | S13 and "Hoya" | US-PGPUB; USPAT | OR | ON | 2006/09/01 15:56 |
| S15 | 10 | S14 not S10 | US-PGPUB; USPAT | OR | ON | 2006/09/01 15:57 |
| S16 | 1 | S15 and texture and anisotropy | US-PGPUB; USPAT | OR | ON | 2006/09/01 15:57 |
| S17 | 14 | S13 and texture and anisotropy | US-PGPUB; USPAT | OR | ON | 2006/09/01 16:22 |
| S18 | 14 | S17 not S10 | US-PGPUB; USPAT | OR | ON | 2006/09/01 16:02 |
| S19 | 473 | "soft magnetic" and ("protective layer" or "protection layer") and (disk or disc) and "perpendicular magnetic recording" | US-PGPUB; USPAT | OR | ON | 2006/09/01 16:06 |
| S20 | 0 | S19 and (glass same substrate) and (carbon same proct\$) | US-PGPUB; USPAT | OR | ON | 2006/09/05 21:30 |
| S21 | 277 | S19 and (glass same substrate) and (carbon same protect\$) | US-PGPUB; USPAT | OR | ON | 2006/09/01 16:07 |
| S22 | 255 | S21 and sputter\$ | US-PGPUB; USPAT | OR | ON | 2006/09/01 16:08 |
| S23 | 15 | S22 and (glass same strengthen\$) and rough\$ | US-PGPUB; USPAT | OR | ON | 2006/09/01 16:22 |
| S24 | 50 | ("6028786" "6246541" "4985735" "5281938" "5399407" "5503911" "5840420" "6111268" "4373018" "4865878" "4868070" "5187859" "5202863" "5242865" "5517472" "5648163" "5693199" "5808832" "5822159" "5822158" "5872691" "5923503" "5948550" "5992004" "6023840" "6137064" "6185068" "6870716" "4384545" "4385273" "4387136" "4476509" "4489357" "4520409" "4531205" "4621030" "4769729" "4797766" "4841402" "4871883" "4884156" "4914741" "4921729" "4939046" "5006388" "5192423" "5227597" "5232569" "5320879" "5336559").pn. | US-PGPUB; USPAT | OR | OFF | 2006/09/01 16:23 |
| S25 | 0 | S24 and (glass same strengthen\$) and rough\$ | US-PGPUB; USPAT | OR | ON | 2006/09/01 16:22 |

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|-----|--------|--|--|----|-----|------------------|
| S26 | 1 | S24 and texture and anisotropy | US-PGPUB; USPAT | OR | ON | 2006/09/01 16:22 |
| S27 | 2 | "6881497" | US-PGPUB; USPAT | OR | OFF | 2006/09/05 13:20 |
| S28 | 200317 | ("360"/\$ or "428"/8 or "501"/\$ or "65"/\$ or "365"/\$ or "369"/\$).ccls. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 19:21 |
| S29 | 67358 | S28 and (soft magnetic) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 13:35 |
| S30 | 43 | S28 and perpendicular and (protection same (carbon or amorphous)) and (disk same glass) and anisotropy | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 13:39 |
| S31 | 43 | S29 and perpendicular and (protection same (carbon or amorphous)) and (disk same glass) and anisotropy | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 13:37 |
| S32 | 23 | S30 and soft | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 21:30 |
| S33 | 81 | ("360"/\$ or "428"/8 or "501"/\$ or "65"/\$ or "365"/\$ or "369"/\$).ccls. and ("protection layer" same amorphous) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 19:31 |
| S34 | 34 | S33 and ("protection layer" with amorphous) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 19:30 |
| S35 | 8 | S33 and (carbon with amorphous) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 19:30 |
| S36 | 163 | ("360"/\$ or "428"/8 or "501"/\$ or "65"/\$ or "365"/\$ or "369"/\$).ccls. and ("protection layer" same carbon) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/05 19:31 |
| S37 | 0 | ("5851643andsputter\$").PN. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2006/09/05 19:55 |
| S38 | 44 | "5851643" and sputter\$ | USPAT | OR | OFF | 2006/09/05 20:00 |
| S39 | 6 | "5723198" and sputter\$ | USPAT | OR | OFF | 2006/09/05 20:06 |
| S40 | 4 | "6511761" and sputter\$ | USPAT | OR | OFF | 2006/09/05 21:24 |